

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

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1. (Currently Amended) A needleless syringe (10) syringe for injecting an active principle, and comprising; ~~from upstream to downstream;~~  
\_\_\_\_\_ a propelling system ~~consisting of~~ including a shock wave generator device;  
\_\_\_\_\_ a barrier comprising an upstream face (5) face and a downstream face (6) face, said downstream face (6) face having at least one blind cavity (7) cavity in which the active principle is accommodated; and  
\_\_\_\_\_ an application guide (3) guide for applying said syringe (10) syringe to the skin of the patient to be treated, ~~characterized in that, on the one hand, wherein the barrier (4) barrier is fixed and resistant to the shock wave and, on the other hand, and said barrier (4) barrier ensures a good propagation of the shock wave.~~ wave through the barrier so that the shock wave is able to reverse the cavity to accelerate the active principle in the form of a central jet.

2. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that wherein the barrier (4) barrier~~ has a substantially plane and transverse upstream-face (5) face.

3. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that wherein the shock wave generator device (3) device~~ produces a plane shock wave on the upstream face (5) face of the fixed barrier (4) barrier.

4. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that each wherein the blind cavity (7) cavity~~ has an opening transverse section which is at least one of equal to and greater than each transverse section of this-cavity (7) cavity.

5. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that each cavity (7) wherein the blind cavity~~ has a form of revolution about an axis parallel to the direction of propagation of the shock wave.

6. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that wherein~~ a plurality of cavities are distributed on the downstream face ~~(6) face of said barrier (4).~~ barrier.

7. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that wherein~~ the shock wave on the upstream face ~~(5) face~~ of the fixed ~~barrier (4) barrier~~ is produced by a weight which impacts said ~~barrier (4).~~ barrier.

8. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that wherein the device (3) device~~ generating a shock wave on the upstream face ~~(5) face~~ of the fixed ~~barrier (4) barrier~~ comprises a detonating pyrotechnic charge.

9. (Currently Amended) The needleless syringe as claimed in claim 1, ~~characterized in that wherein~~ the length of the application guide ~~(8) guide~~ is between 1 and 8 times the diameter of the fixed ~~barrier (4) barrier~~ and preferably between 2 and 5 times said diameter.

10. (Currently Amended) The needleless syringe as claimed in claim 9, ~~characterized in that wherein~~ the application guide ~~(8) guide~~ comprises a shock absorbing system ~~(2).~~ system.

11. (New) A needleless syringe for injecting an active principle, comprising;  
a propelling system including a shock wave generator device;  
a barrier located downstream from the propelling system comprising an upstream face and a downstream face, said downstream face having at least one blind cavity in which the active principle is accommodated, wherein the downstream face is located

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opposite to the upstream face on the barrier, and only the downstream face has the at least one blind cavity; and

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an application guide for applying said syringe to the skin of the patient to be treated, the Application guide located downstream of the barrier, wherein the barrier is fixed and said barrier propagates the shock wave through the barrier so that the shock wave reverses the cavity to accelerate the active principle in the form of a central jet.

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